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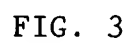
5' gatcagtttgcagttgtccacttgaagttctgttgaaaaaccaaaccaccctccaaaATGTCTCTGAAGTCCGACGA
M S L K S D E
AGTTTTCGCCAAGATCGCTAAGCGTCTGGAGAGCATCGACCCCGCCAACCGTCAGGTCGAGCACGTGTACAAGTTCAGA
V F A K I A K R L E S I D P A N R Q V E H V Y K F R
ATCACCCAGGGTGGCAAGGTTGTCAAGAACTGGGTTATGGATCTGAAGAACGTCAAGCTGGTCGAGTCCGACGATGCCG
I T Q G G K V V K N W V M D L K N V K L V E S D D A A
CCGAGGCCACCCTGACCATGGAGGATGACATCATGTTCCGCCATCGGAACCGGTGCCCTGCCCGCCAAGGAAGCCATGGC
E A T L T M E D D I M F A I G T G A L P A K E A M A
CCAGGACAAGATGGAAGTCGATGGACAAGTTGAGCTGATCTTCTGCTGGAGCCATTTCATTCGCTCGCTGAAGTAAaat
Q D K M E V D G Q V E L I F L L E P F I A S L K (SEQ ID NO:3)
gcgtagcgcggcccttgtgaataccaatcattgcatgtgcttgccctgctttaatcagagcgaatgtcatgtcatccaaa
ctactgtgttgtaacttattatttttctgtatcgcgatttcggcatcattaaaacgtattttgtaaagtaaaaaaaaaa
aaaaaaaaaaaaaaaaaaaaa3' (SEQ ID NO:2)

FIG. 1

Aedes	1	-----MSLSKDEVFAKIAKRLESI---DPANRQVEHVYKFRITQG-GKVVKNWVMDLKNVKLVES	*****
Anopheles	1	-----YCPSAQRVRQLL.A....P..ER.....N....QQ.....Q.N-.T...T..L...A...T.G	
rat	1	SSAGDGF.ANLI.KE.E.K.EEG--EEFVKKIGGIFA.KV.D.P...EAT..V.V..G.GSVL	
human	1	SSASDGF.ANL..KE.E.K.EEG--EQFVKKIGGIFA.KV.D.P...AT..V.V..G.GSVL	
DmSCP-X	420	-----DGF.VAPLLKLLQAMQEDK---NLIK.RAI.G.KVN..PN.QTGF..I.A.QG.GKII	
CG11151	1	-----Q..A..Q..IDG.KEN---EAKAKA.NG.FLYK..KD...A.E.TL.C..A.AY.G	
CG12269	1	-----M...IIE..RNK.KES-----R.T.VNTFQ.NFTDAD.NLI..MA..IYEGSATS-	
nematodes	316	-----VAS.AMD---EHLV.LIGR.FQINCKD---IEP-ICI..HGSGSAY	
yeast	1	-----MSVEVDGFNASPL.KELNEG.ADKAKAQE.VK.A.NAIIIVITLKNK-EGKEQS..L...KAGTLAK	
consensus		-----PL.QELEEA VKELG--EELVKK.GAILE.NVKD--TGKEDA.TI...G.G.VY	** * * *

Aedes	57	-DDA---AEATLTMEDDIMFAIGTGALPAKEAMAQDRMEVDGQVELIFLLEPFIASLK-----	+++++	(SEQ ID NO:3)
Anopheles	70	-GP-----M.....L....LD.E.....K-----		
rat	63	P.SDK-K.DC.I..A.SDLL.LM..KMN PQS.FF.G.LKIA.NMG.AMK.QSLQLQPKD-----AKL		
human	63	PNSDK-K.DC.I..A.SDFL.LM..KMN PQS.FF.G.LKIT.NMG.AMK.QNLQLQPGN-----AKL		
DmSCP-X	479	FNGTQ-KCDV.FIIS..DV.ELL..K..PQK.FF.G.IKIQ.NMGFAMK.MDLQDPPKAGSRLRSKL		
CG11151	58	-PAQGIKVDT..VA.ED.VD.AL.K.NPQA.FMKG.LKIA.NIM.TQK.A.ILKTD-----AKL		
CG12269	55	-----VD.QV.IS.EDFYLV..KQKTFQ.VLQ.E.AKI..DE.A.NKMLEKFRINSQN-----		
nematodes	357	-KGTSLNPDVVFETSLEVFVGK.LKEVSPVTVY.NGNLKVK.SIQDAMQ.KHLVERMSD-----WL		
yeast	65	V.G.VPKGDVQ.ILK.VDFVKLANNVNGQ.LFMNG.LKVK.NMMKATAI.SVFKKLDP-----RPKL		
consensus		GGG.ANK.DV.FSAS.SDFLK.L..K.DPQT.FM.G.LKIK.NMM.AMK.MAVLKKFL-----	+++ +	

FIG. 2



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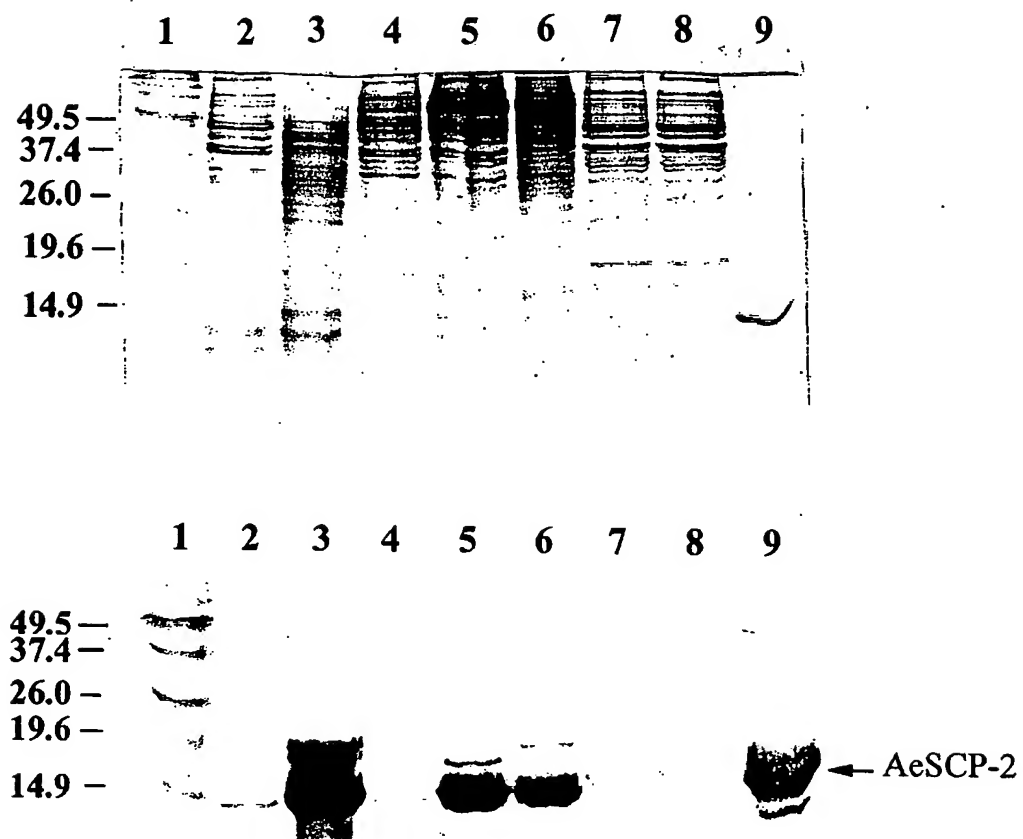


FIG. 4

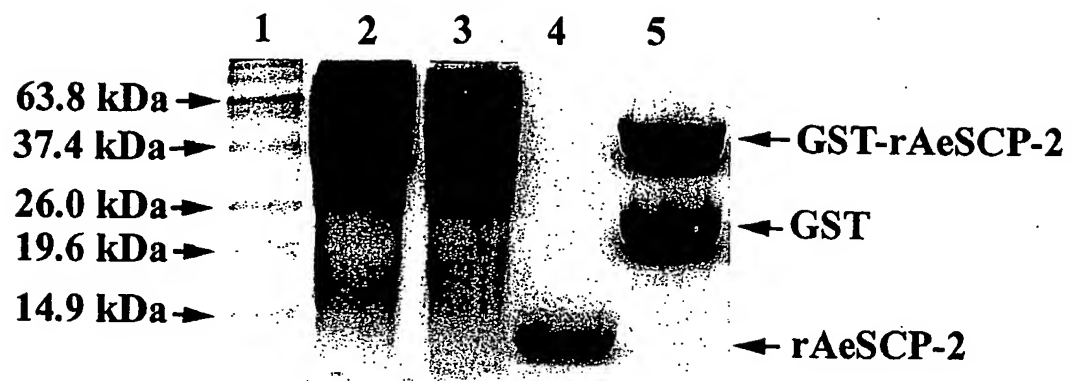


FIG. 5

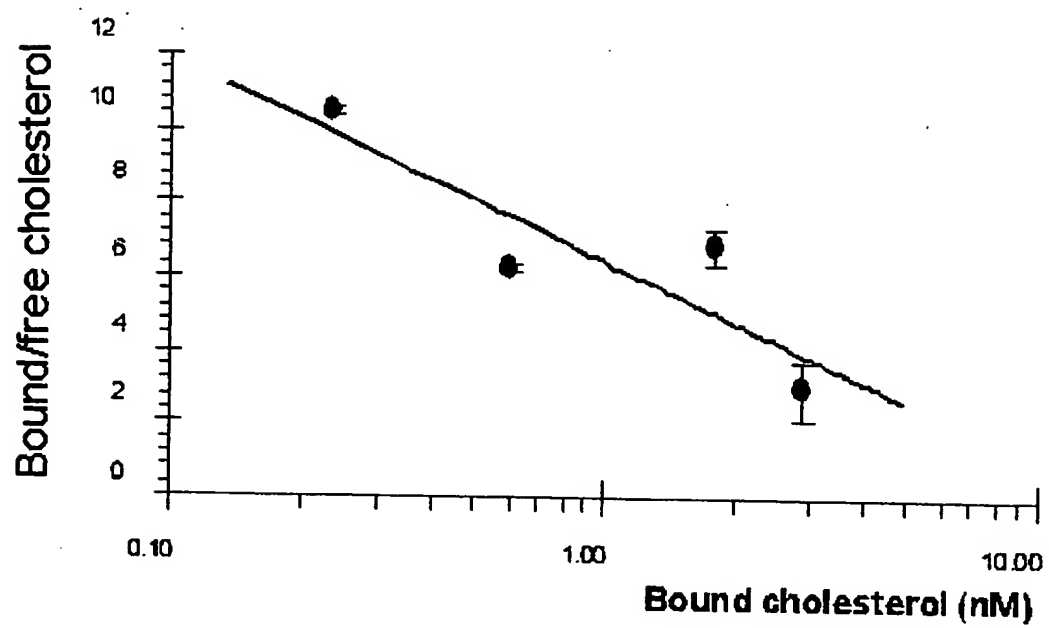


FIG. 6

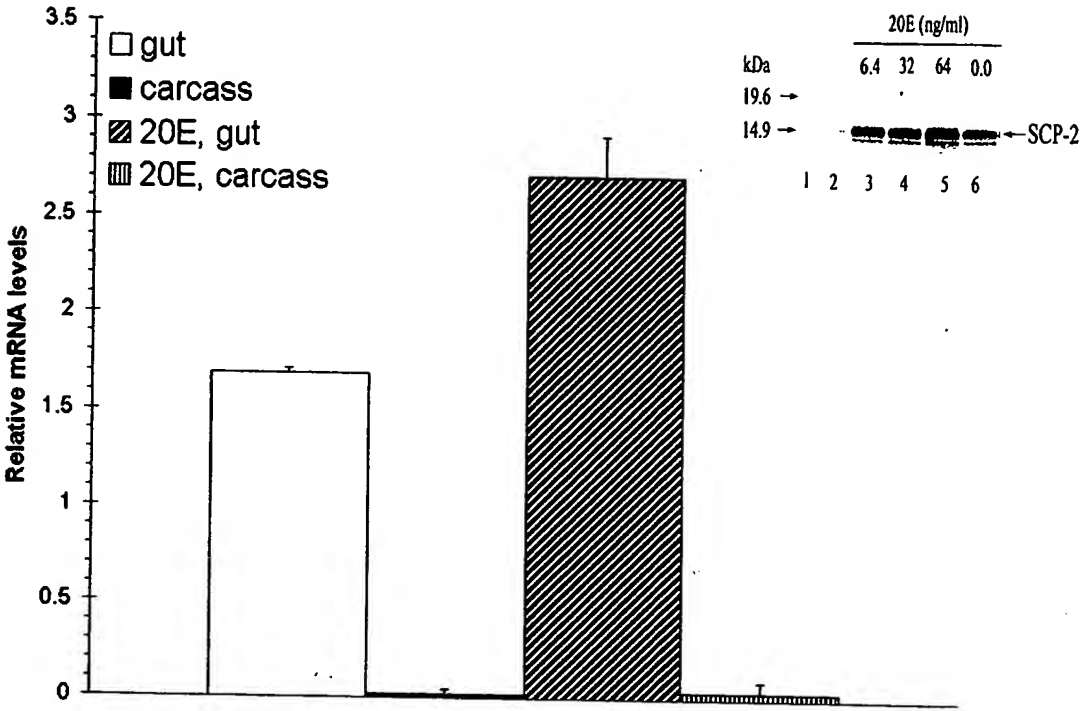


FIG. 7